

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
8 November 2001 (08.11.2001)

PCT

(10) International Publication Number  
**WO 01/82776 A2**

- (51) International Patent Classification<sup>7</sup>: **A61B**
- (21) International Application Number: PCT/US01/13107
- (22) International Filing Date: 23 April 2001 (23.04.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/198,987 21 April 2000 (21.04.2000) US
- (71) Applicant (*for all designated States except US*): **RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY** [US/US]; Old Queens, Somerset Street, New Brunswick, NJ 08903 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **BRZUSTOWICZ, Linda, M.** [US/US]; 40 Green Street, Madison, NJ 07940 (US). **BASSETT, Anne, S.** [CA/CA]; 18 The Kingsway, Toronto, Ontario MX8 2T1 (CA).
- (74) Agents: **RIGAUT, Kathleen, D. et al.**; Dann, Dorfman, Herrell and Skillman, Suite 720, 1601 Market Street, Philadelphia, PA 19103 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*



WO 01/82776 A2

(54) Title: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS OF SCHIZOPHRENIA

(57) Abstract: The invention maps a gene (SCZ) associated with schizophrenia to the q22 region of chromosome 1. The invention exploits this discovery to provide methods of diagnosing schizophrenia and schizophrenia susceptibility, methods of screening for the SCZ gene, and libraries of cloned segments including the SCZ gene.